

FIG.1

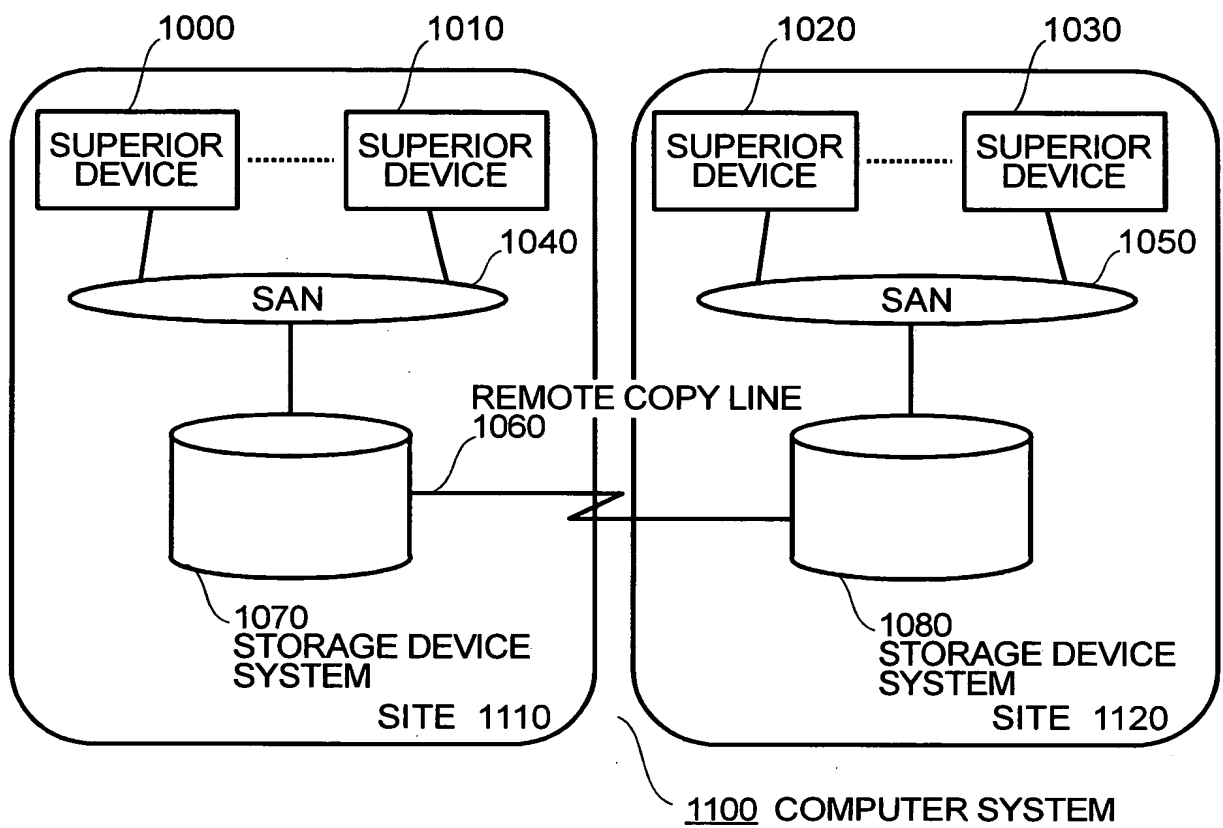


FIG. 2

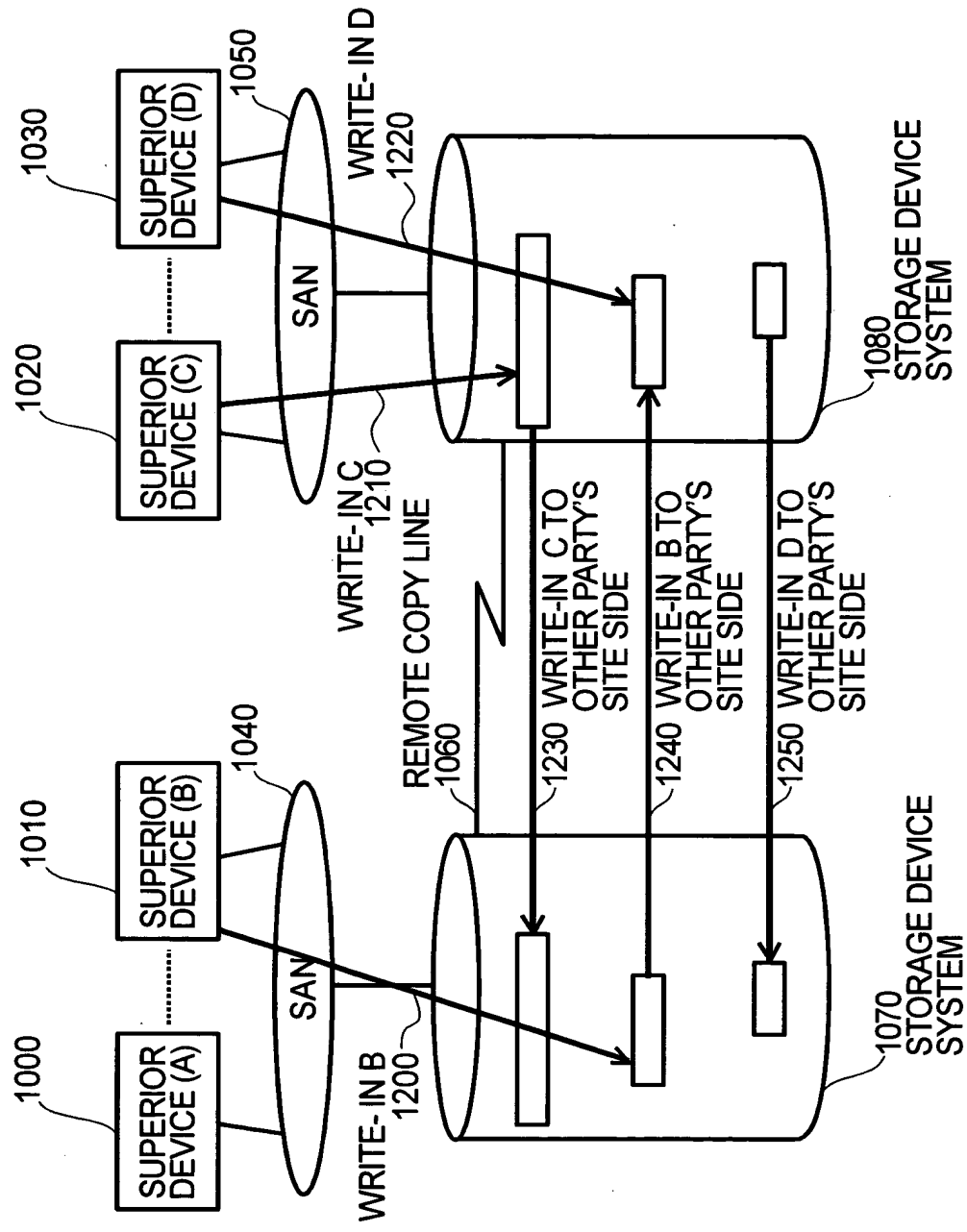


FIG. 3

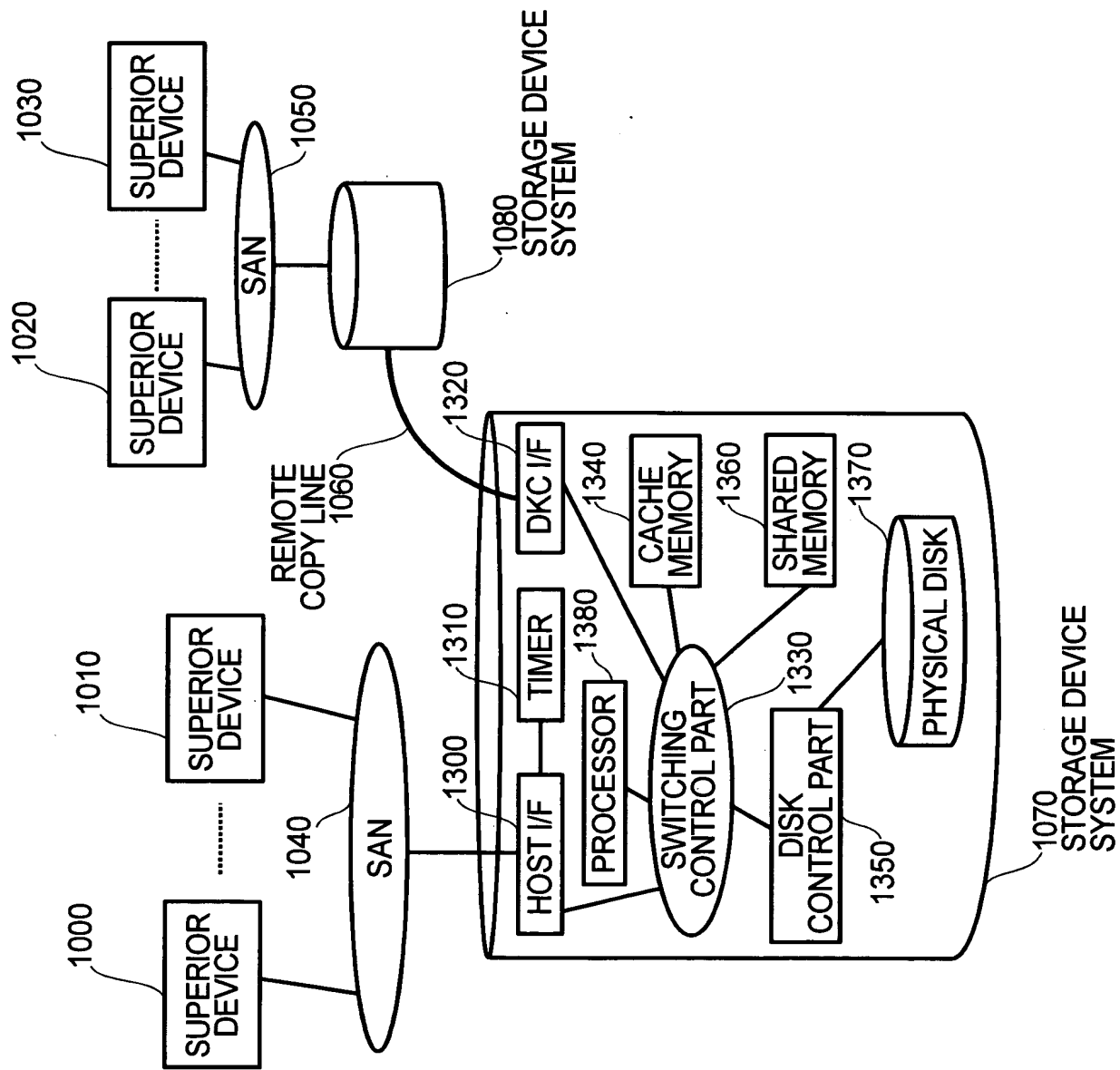


FIG.4

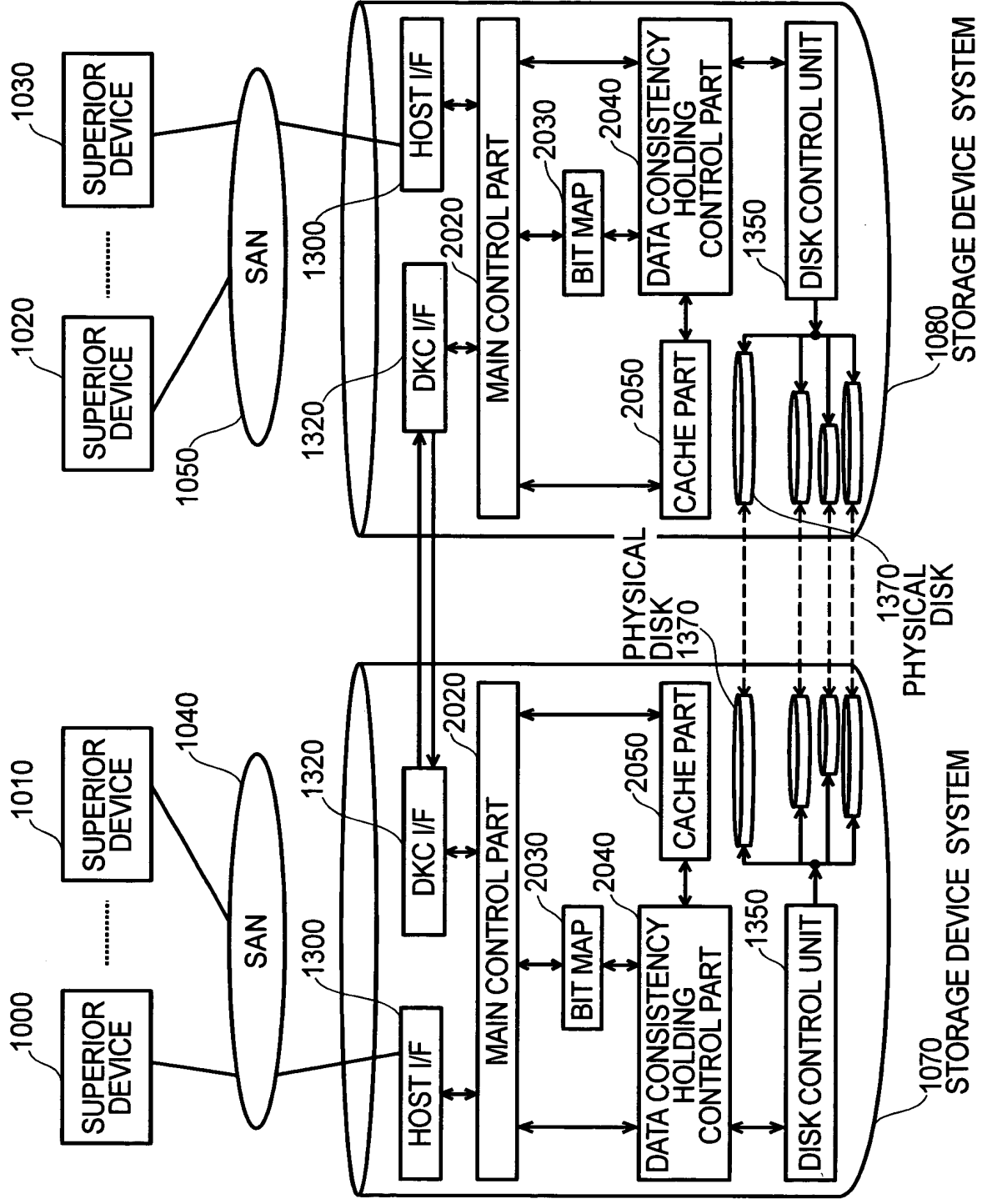
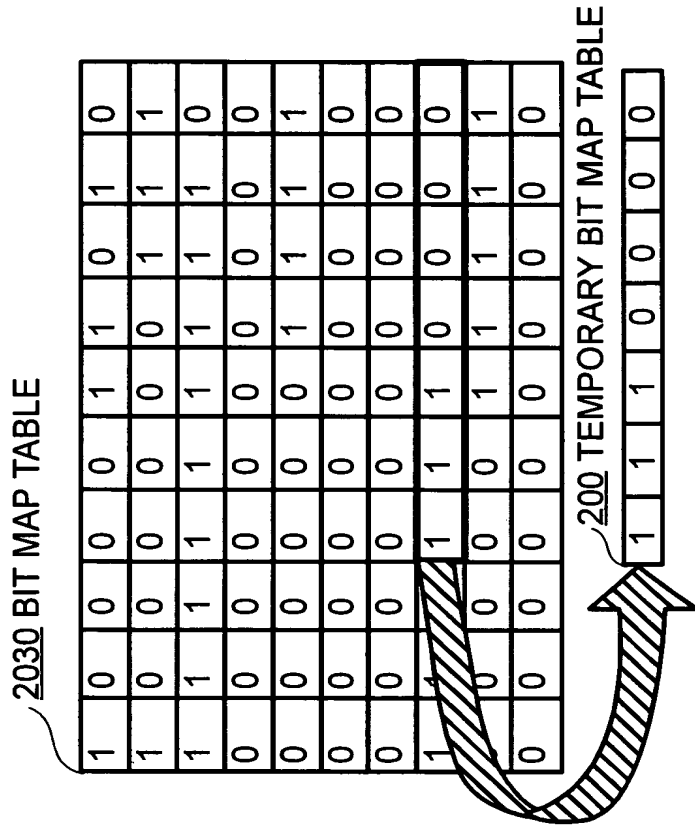


FIG.5

100 DATA CONSISTENCY HOLDING TABLE

101	102	103	104	105	106	107
TABLE CONTROL NUMBER	RECEPTION TIME	SUPERIOR DEVICE IDENTIFICATION NUMBER	OBJECT BLOCK START ADDRESS	OBJECT SIZE	STORAGE SERIAL NUMBER	CACHE DATA STORAGE ADDRESS
1	00:00:00	-----	-----	----	-----	-----
2	00:01:30	-----	-----	----	-----	-----
3	00:01:40	-----	-----	----	-----	-----
⋮						
100	00:03:10	-----	-----	----	-----	-----
-1						

FIG.6



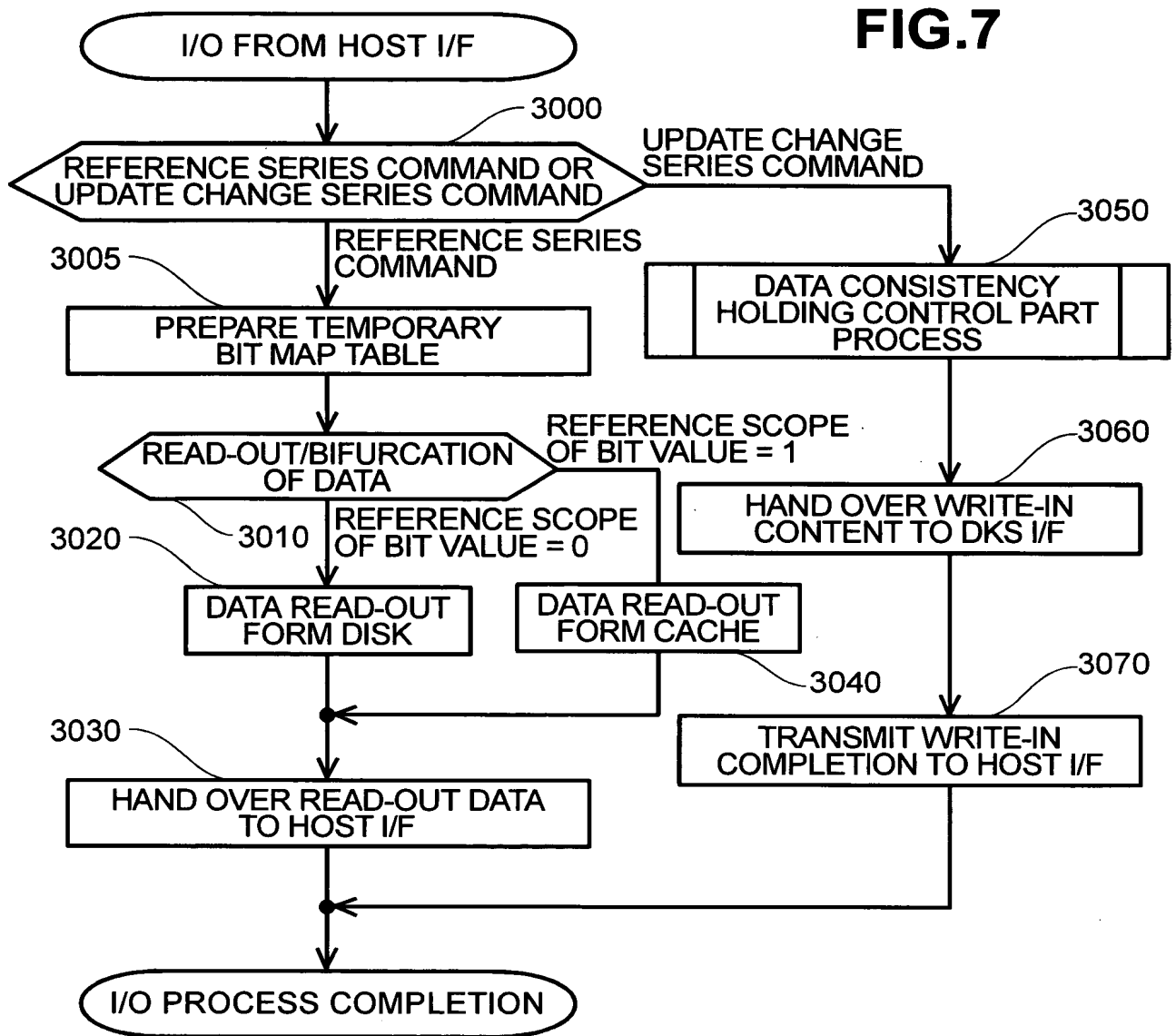


FIG.8

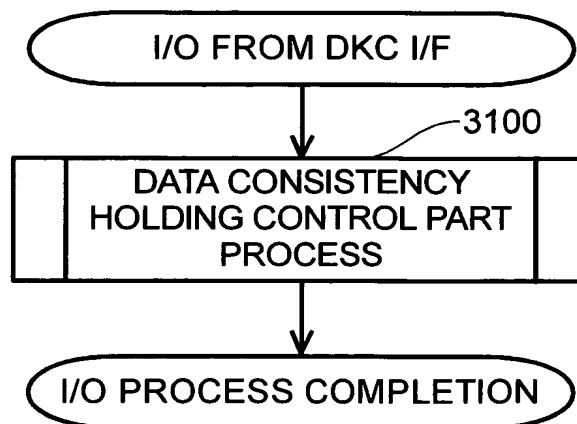


FIG.9

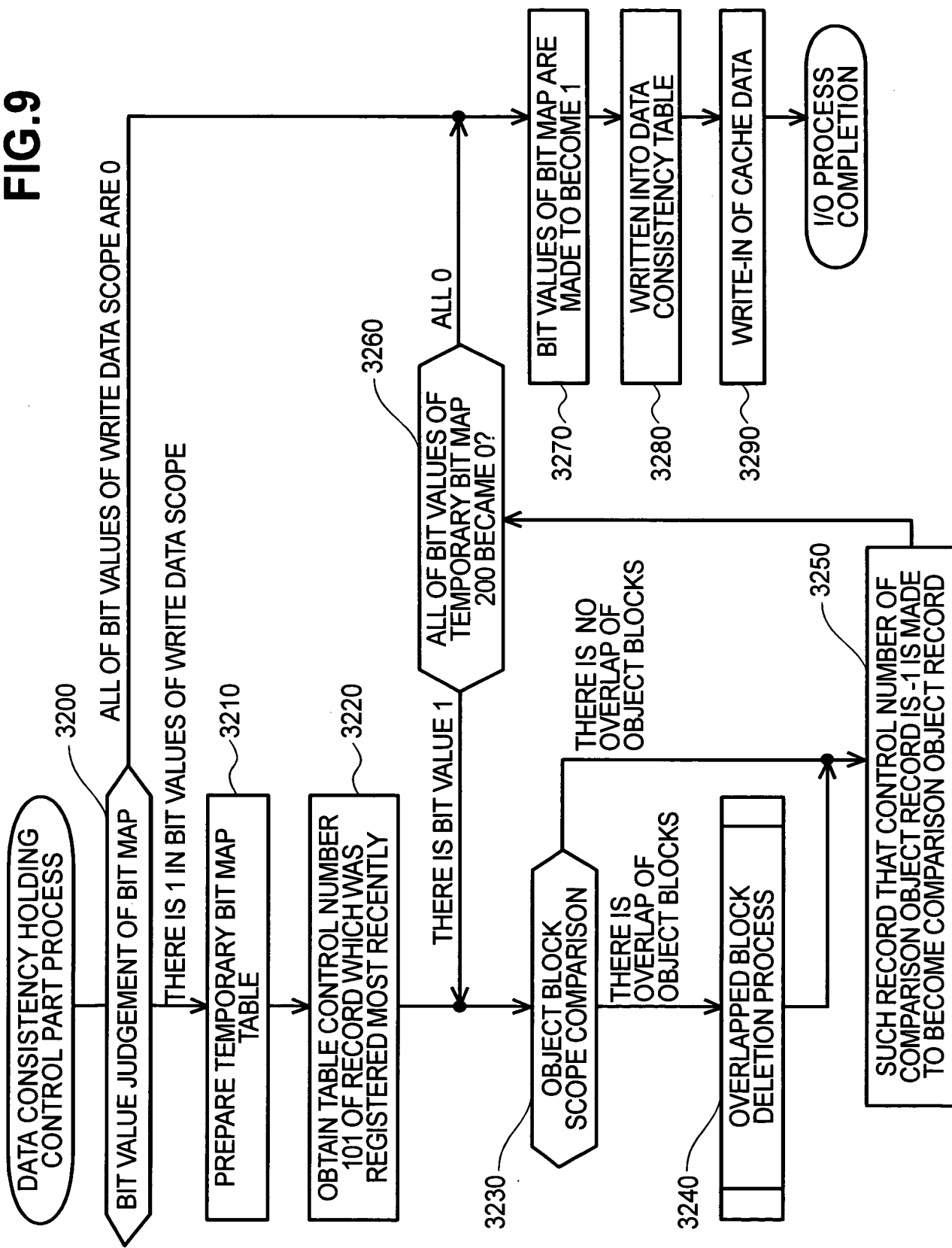


FIG.10

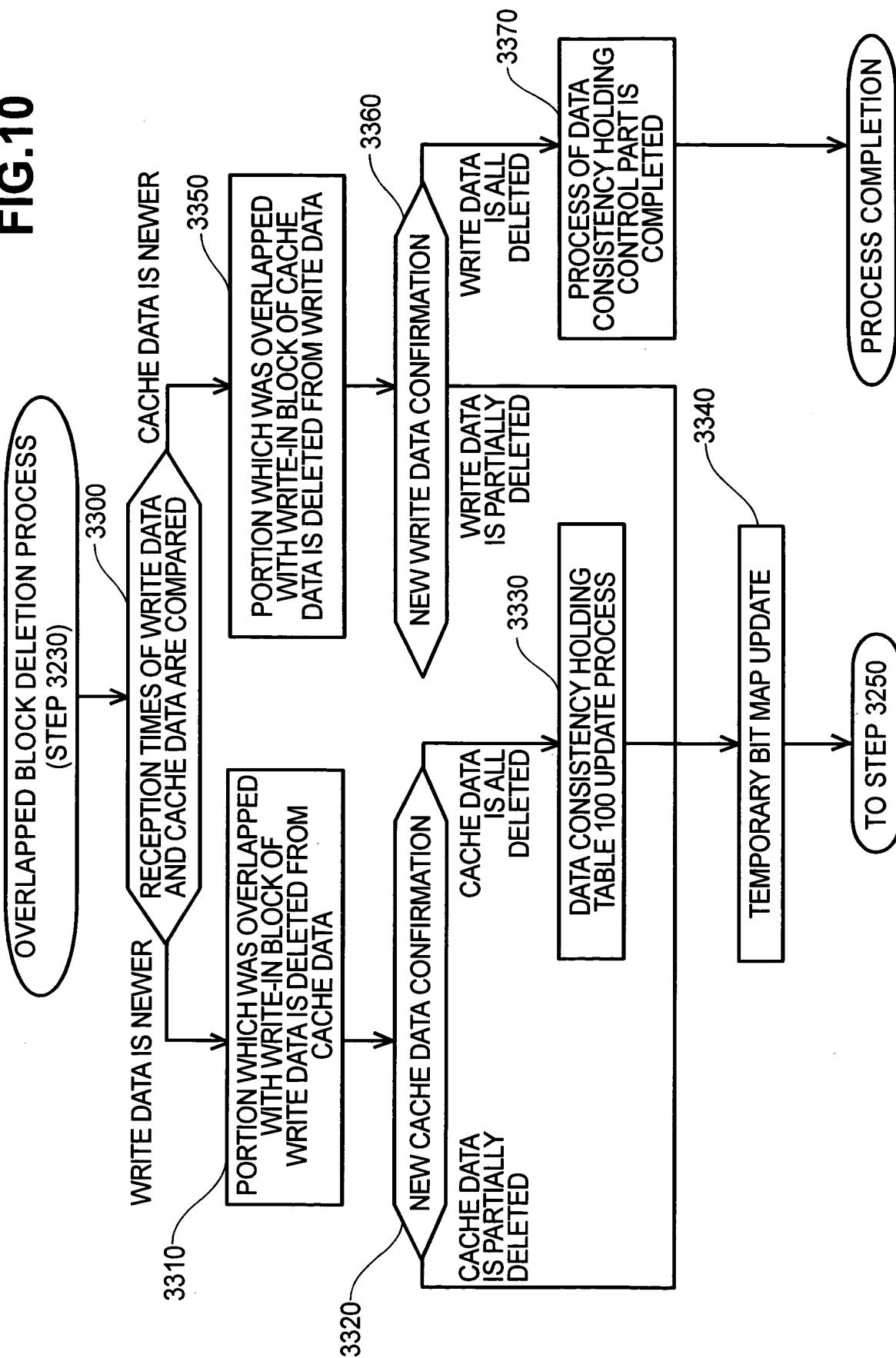


FIG.11

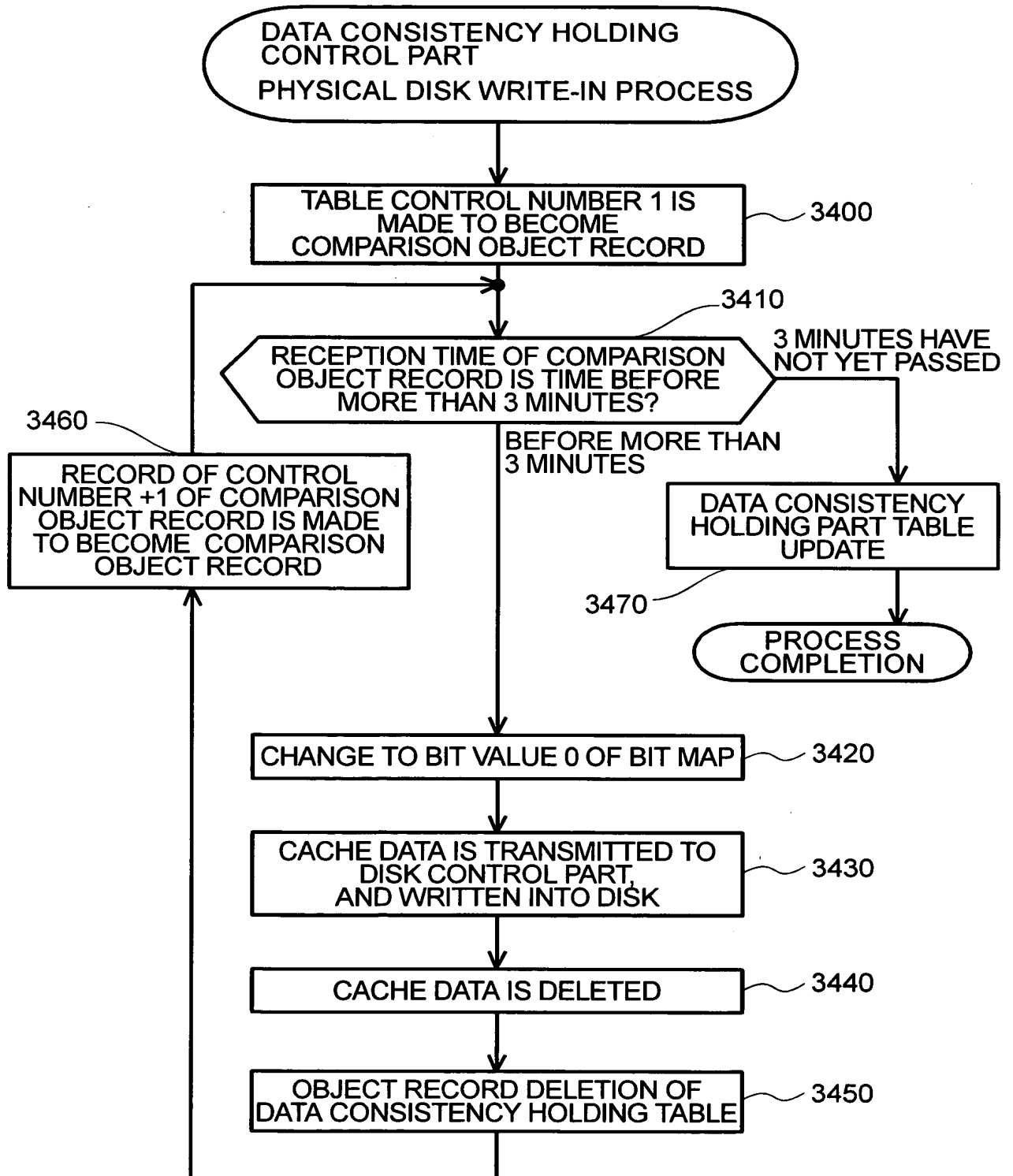


FIG.12

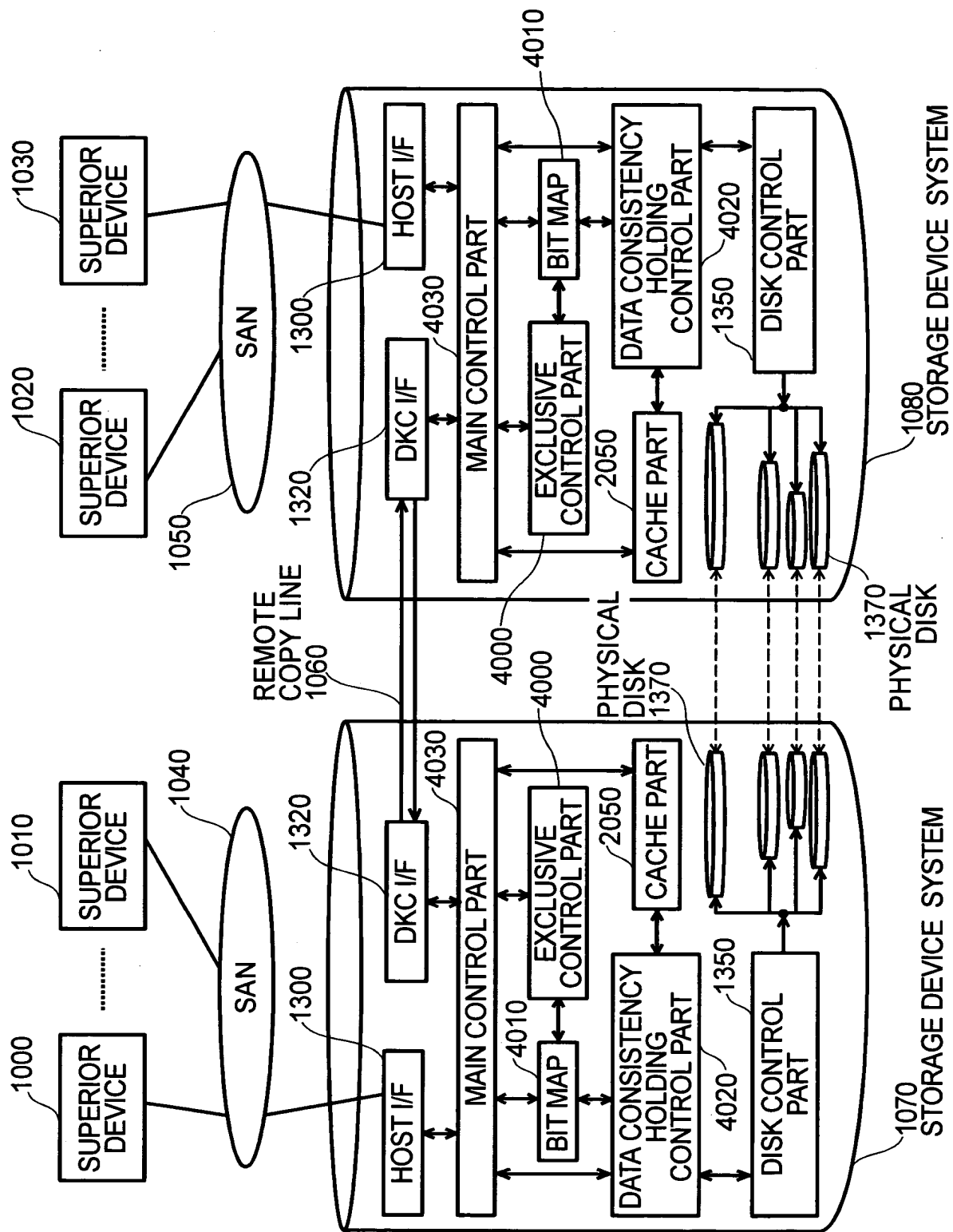


FIG.13

300 BIT MAP VALUE TABLE

BIT VALUE	EXPLANATION
0	DISK IS NOT RESERVED DISK IS IN THE MOST RECENT STATE
1	DISK IS NOT RESERVED DATA WHICH IS NOT UPDATED IN DISK EXISTS ON CACHE
2	DISK IS RESERVED IN A CERTAIN SUPERIOR DEVICE, DISK IS IN THE MOST RECENT STATE
3	DISK IS RESERVED IN A CERTAIN SUPERIOR DEVICE, DATA WHICH IS NOT UPDATED IN DISK EXISTS ON CACHE

FIG.14

400 LOCK STATE HOLDING TABLE

401 CONTROL NUMBER	402 LOCK START TIME	403 SUPERIOR DEVICE IDENTIFICATION NUMBER	404 LOCK OBJECT START ADDRESS	405 LOCK OBJECT SIZE
⋮				

FIG.15

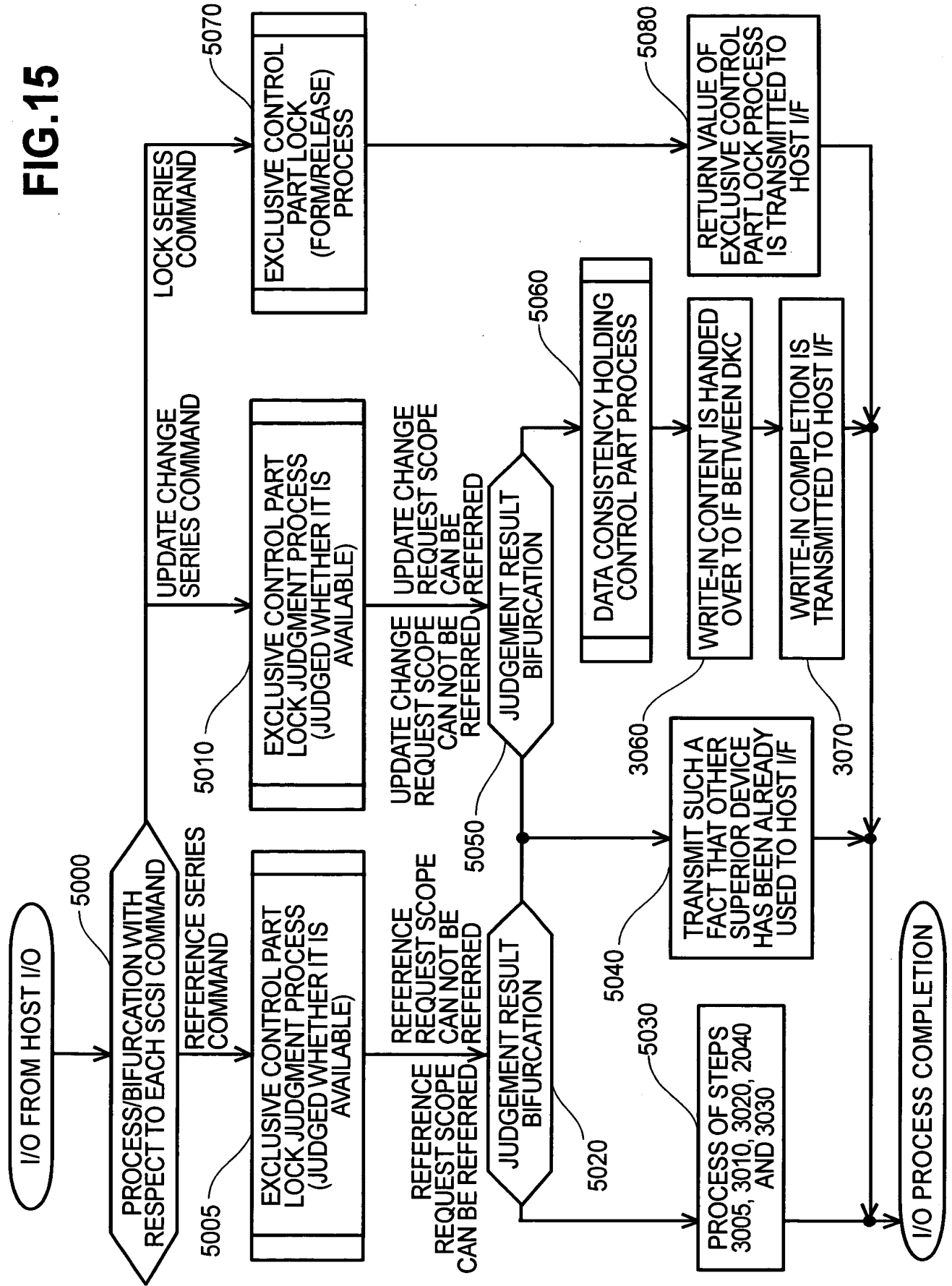


FIG.16

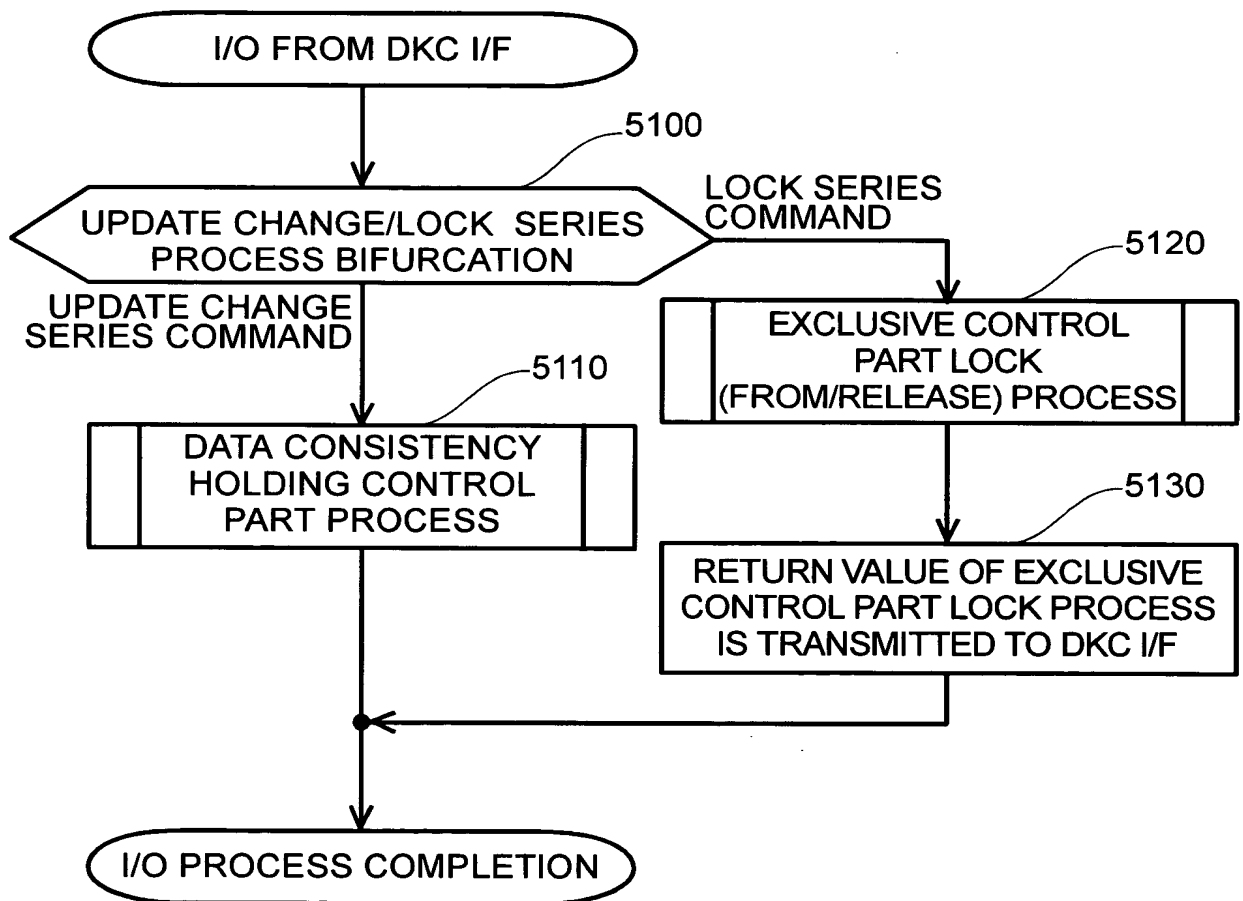


FIG.17

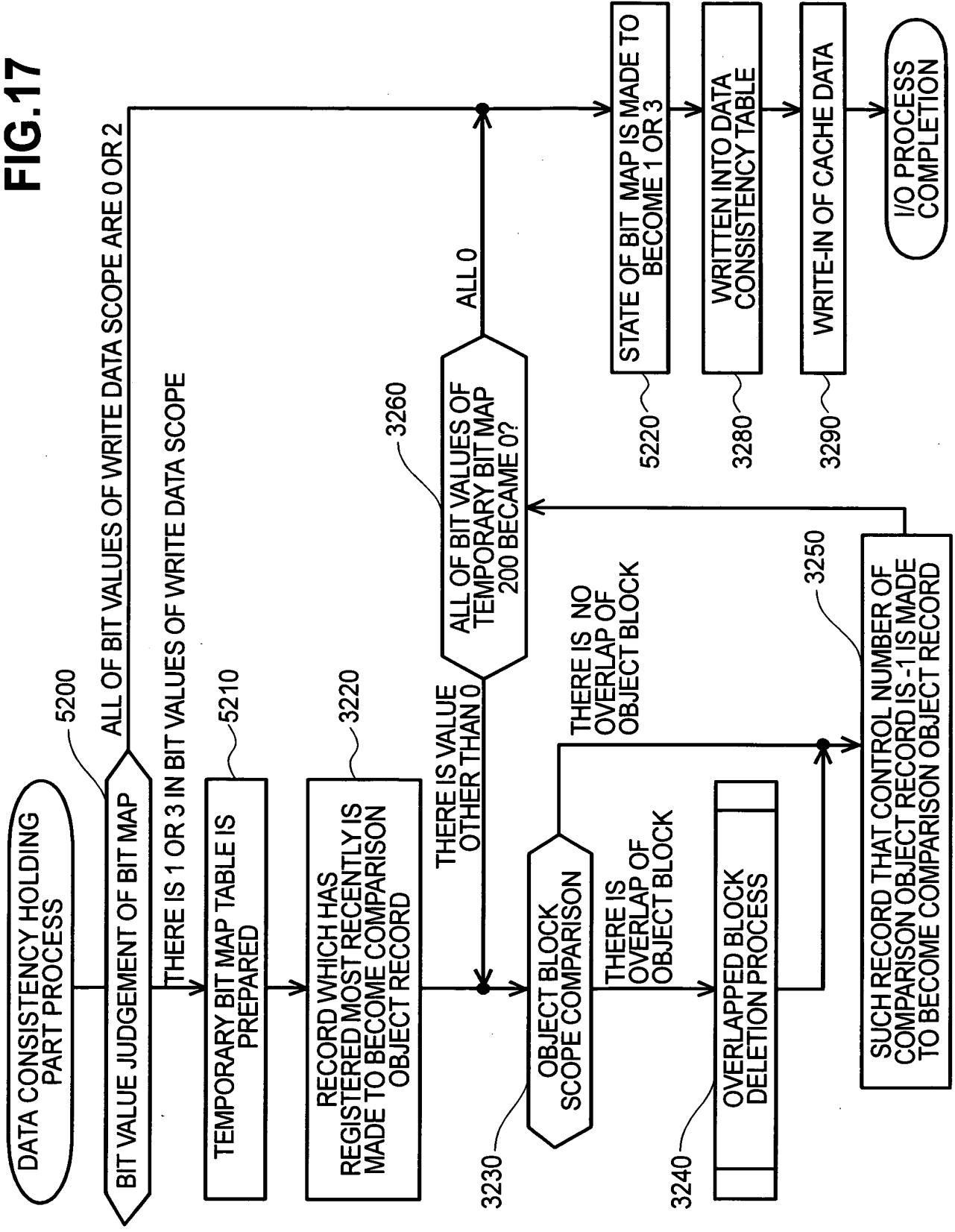
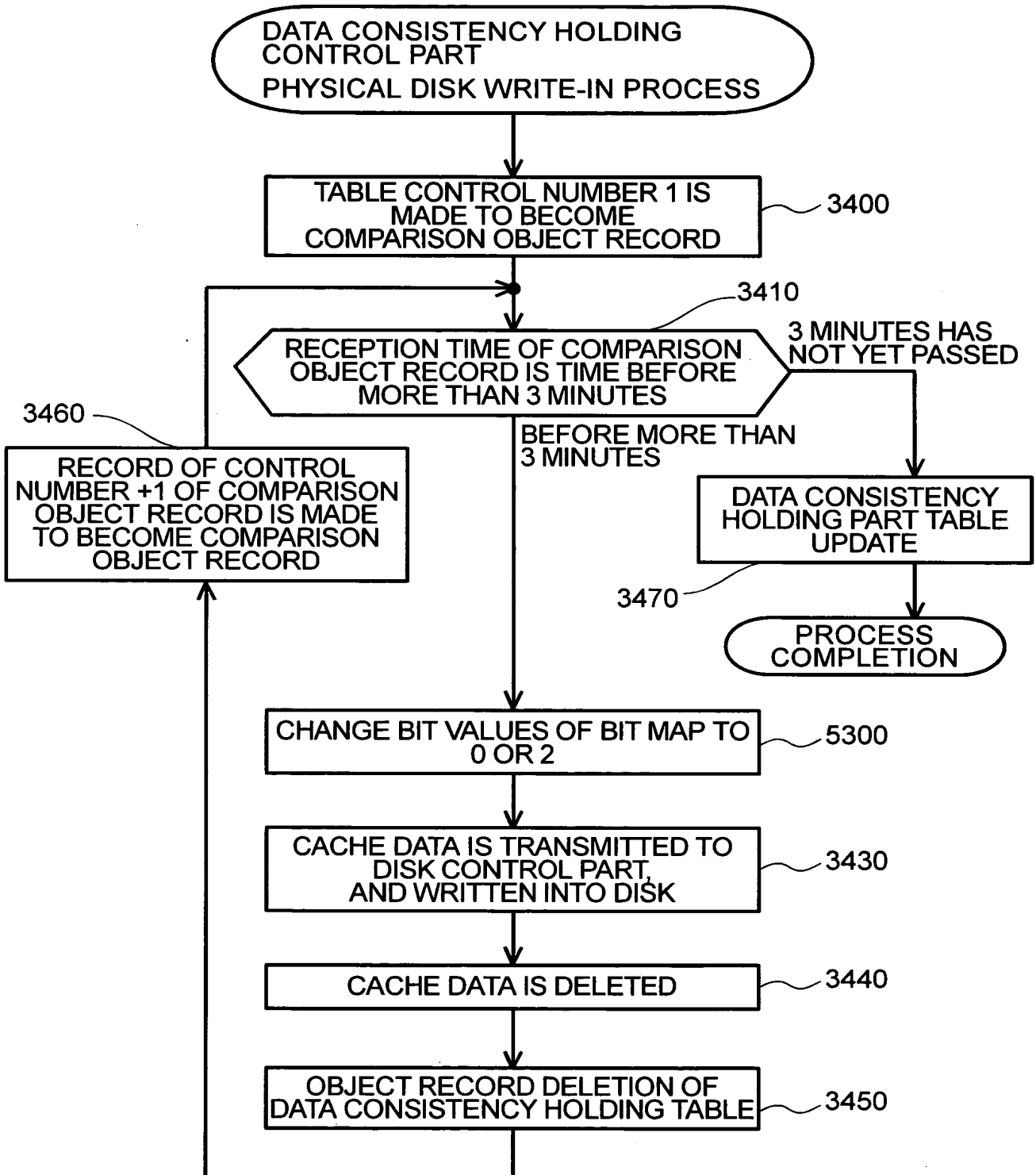


FIG.18



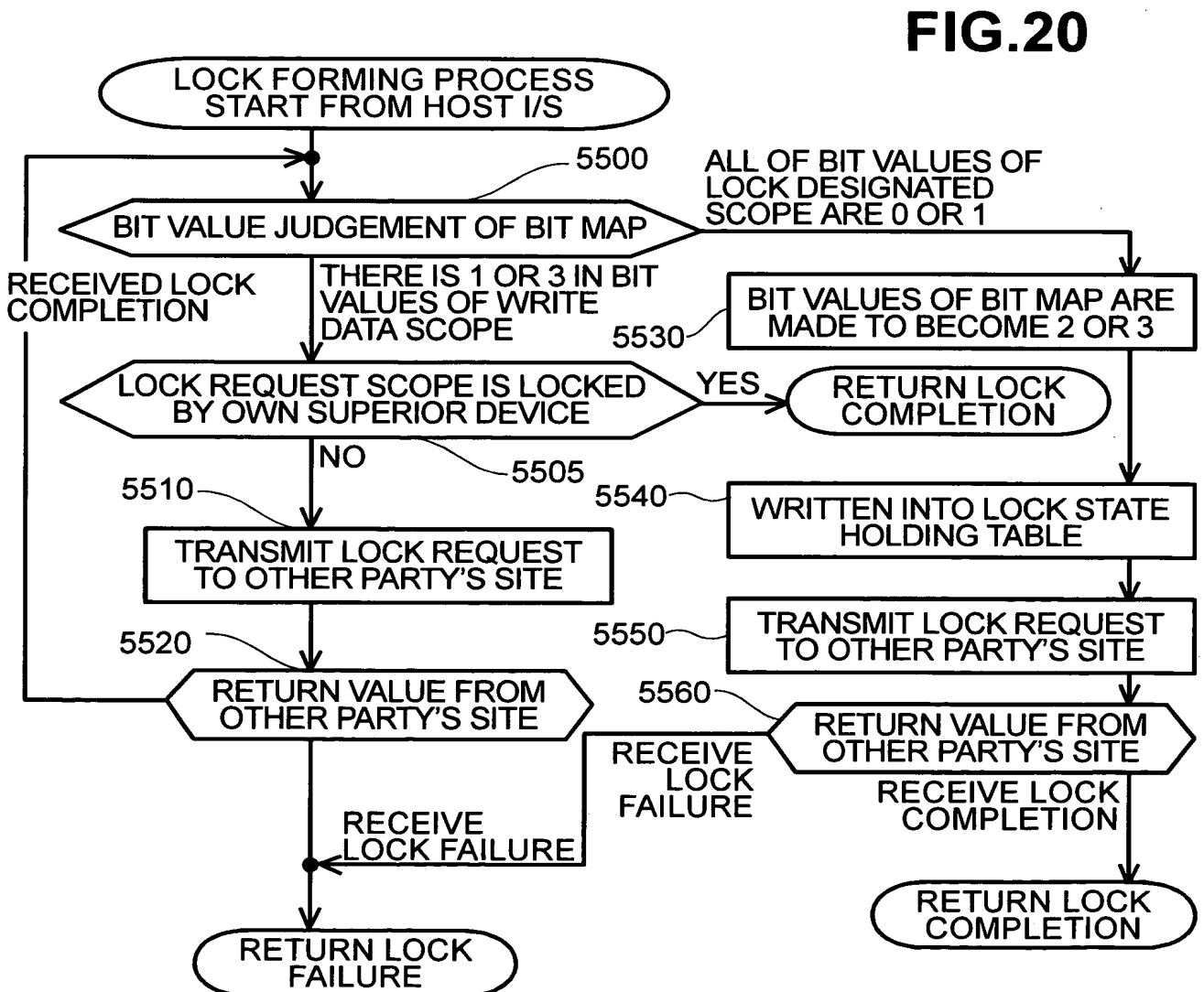
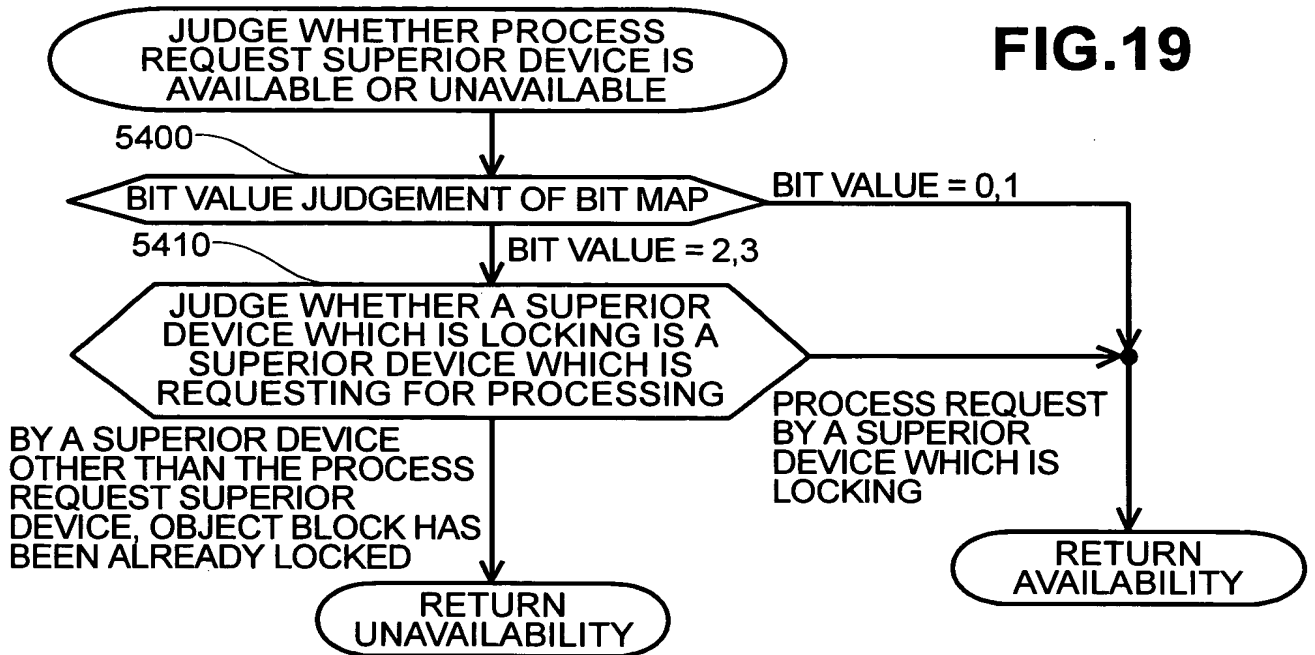


FIG. 21

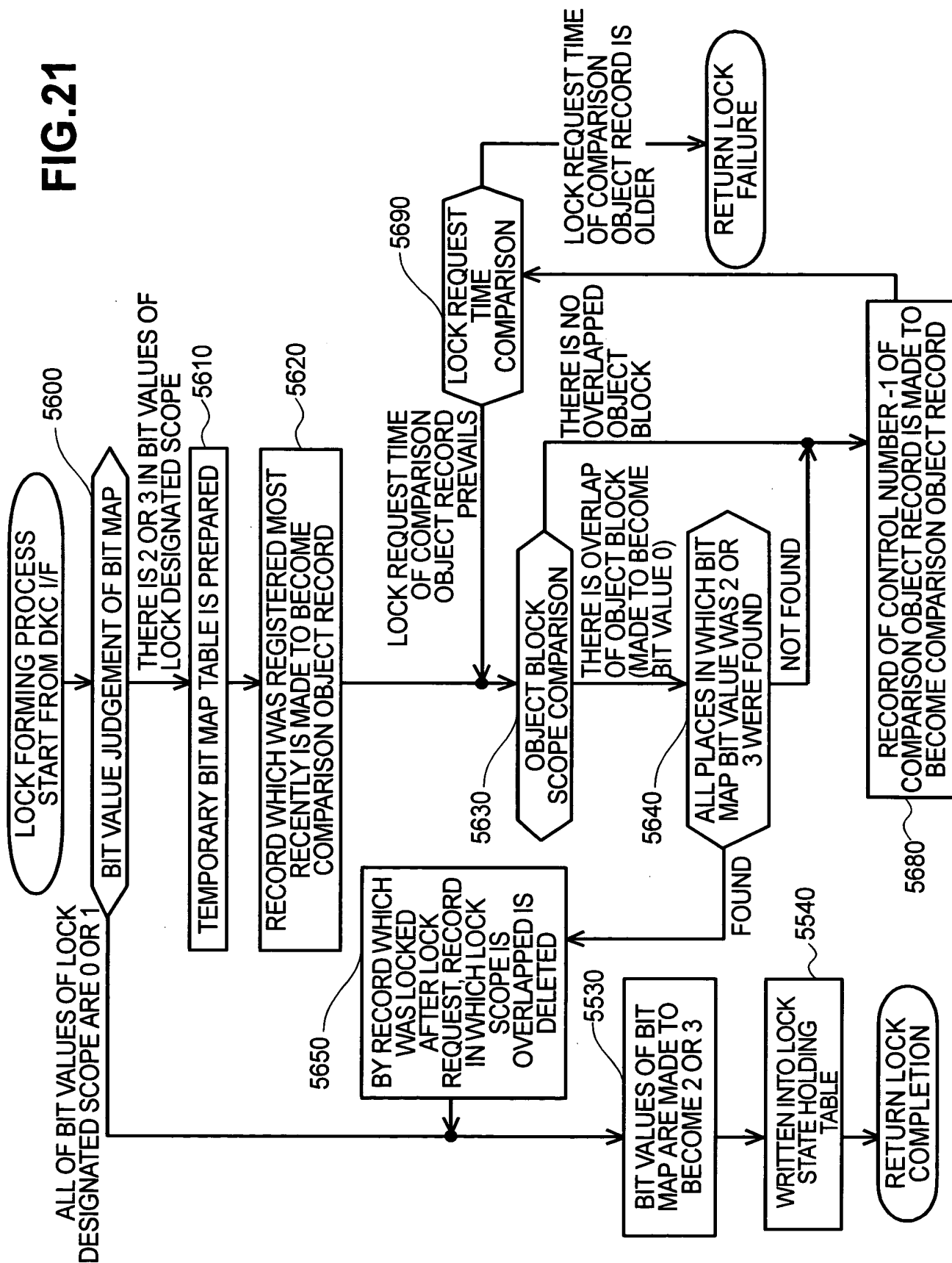


FIG.22

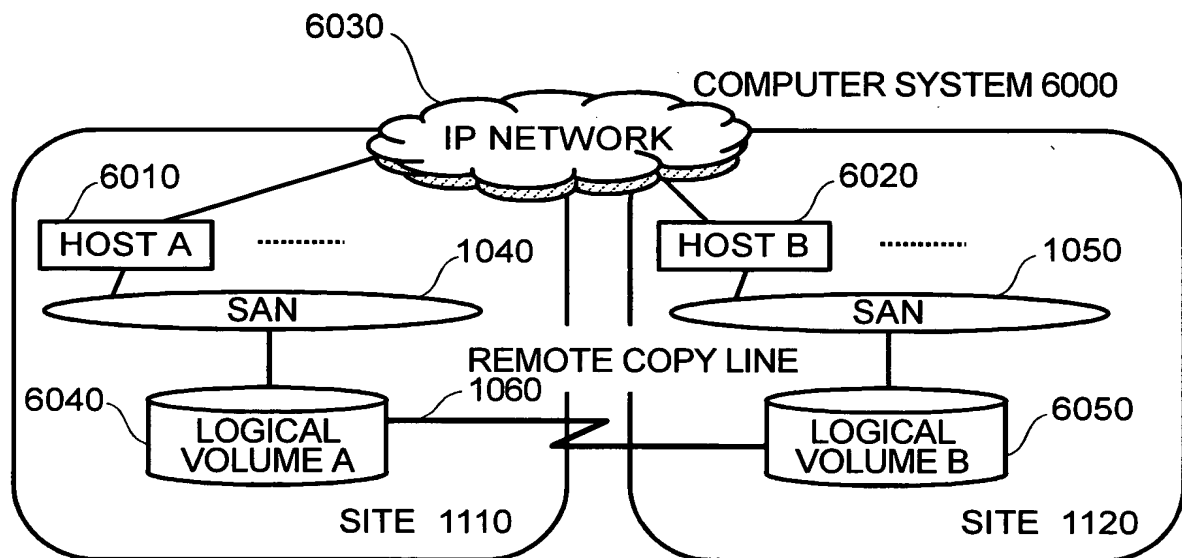


FIG.23

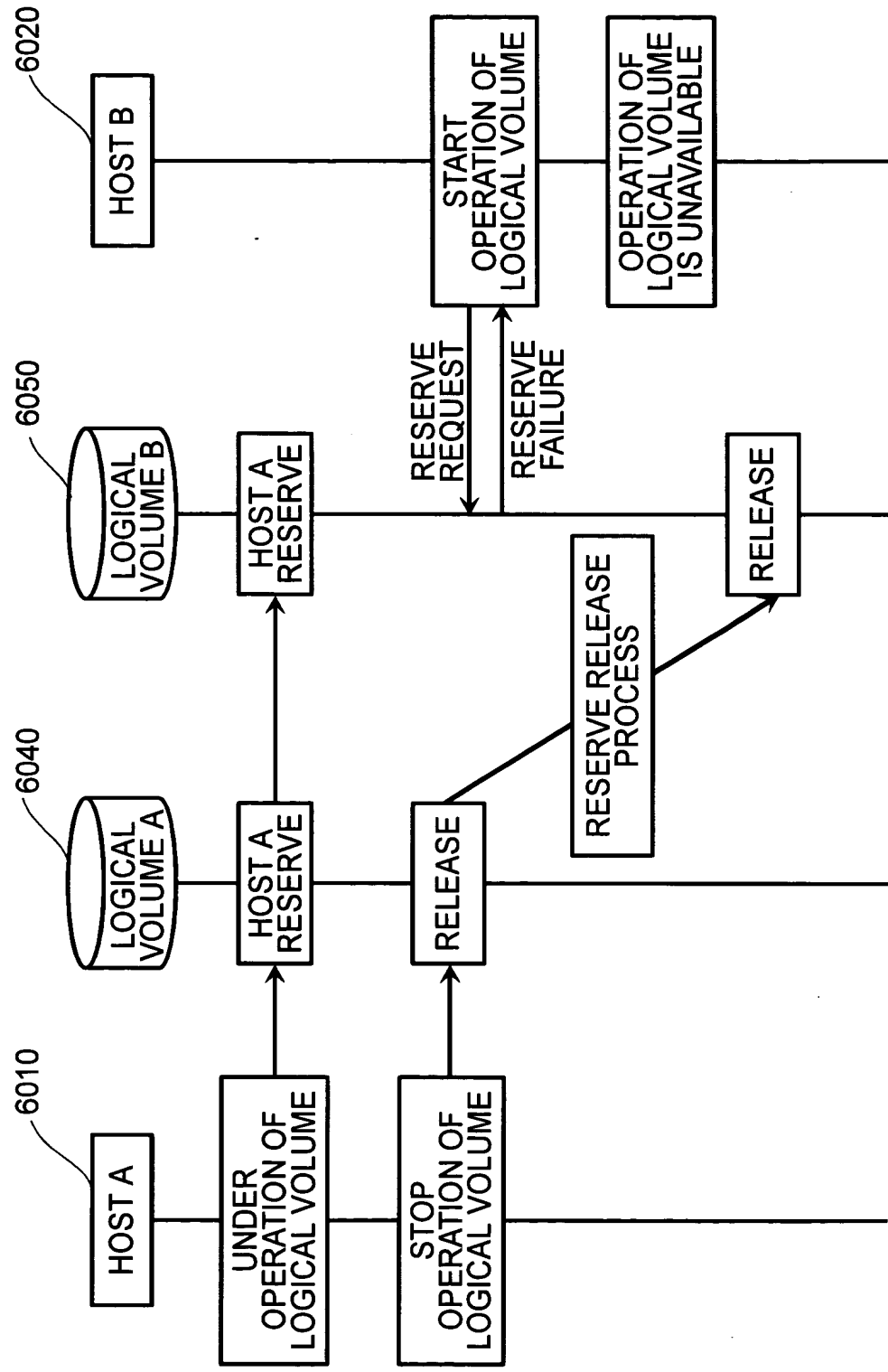


FIG.24

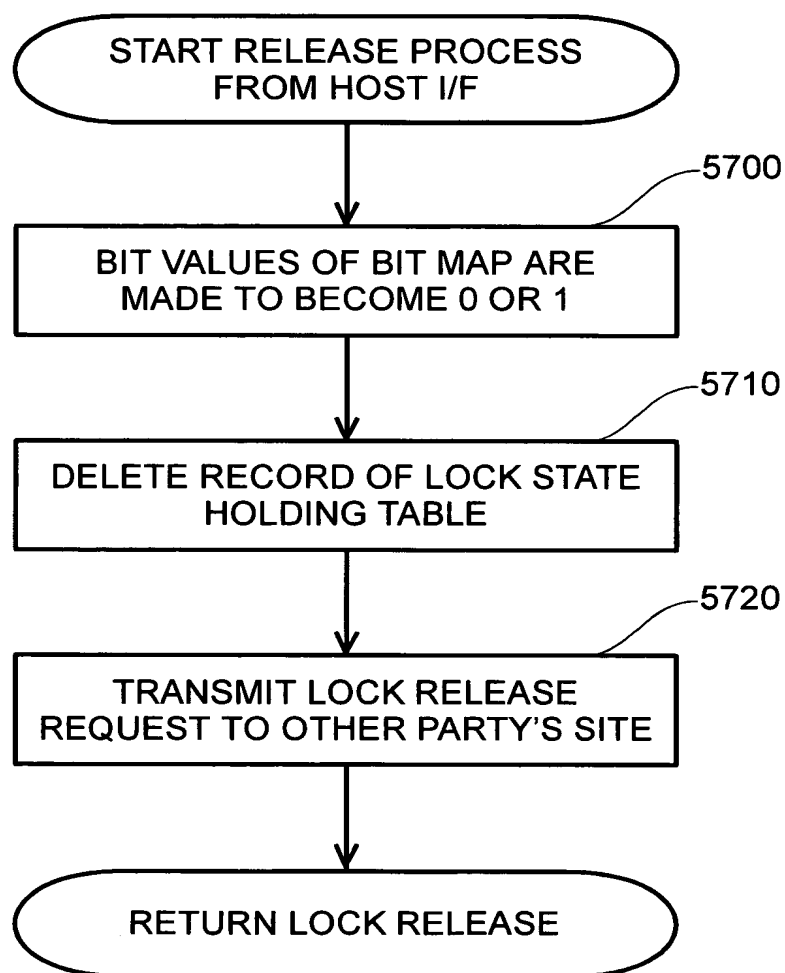


FIG.25

